

Installing developers' tools on Windows: A step-by-step guide

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1 Install Visual Studio and Developers' tools

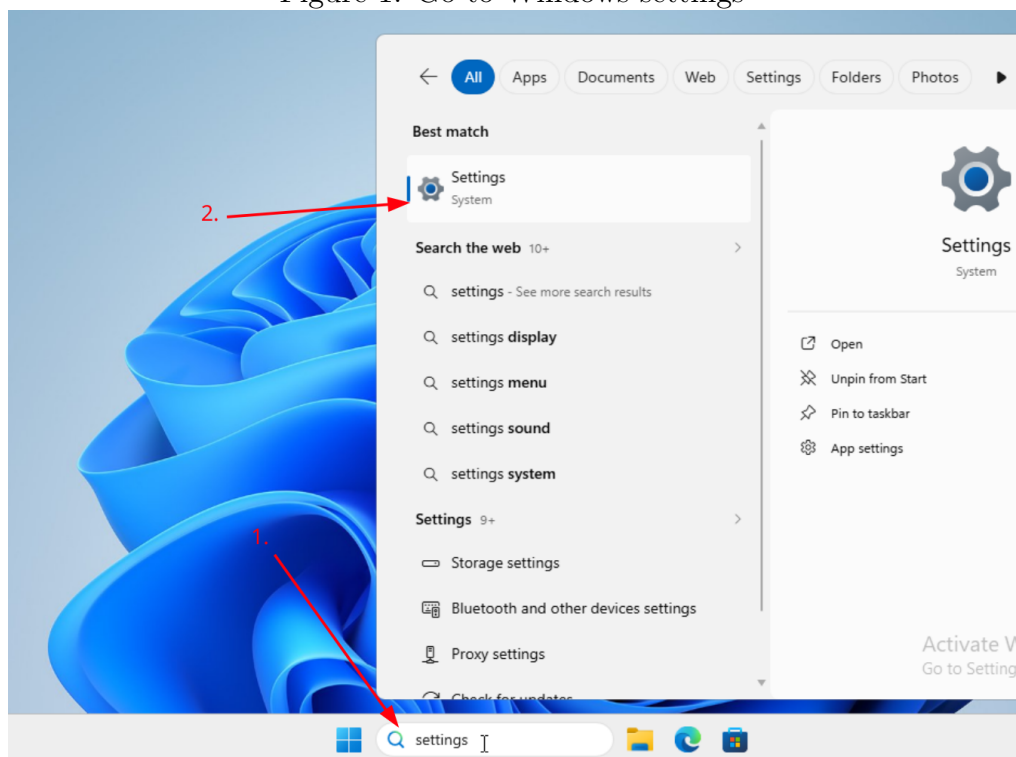
1.1 Installing Visual Studio

Download the Visual Studio Setup program from this link. Run it and let it install Visual Studio.

1.2 Installing the Developers' tools

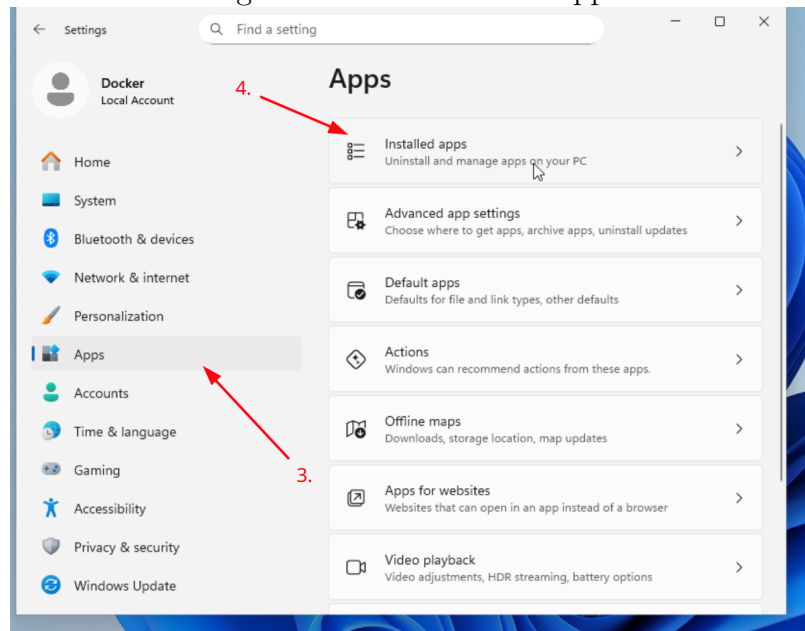
Go to Windows Settings by typing “Settings” in the search bar and clicking on “Settings” as showed in Figure 1:

Figure 1: Go to Windows settings



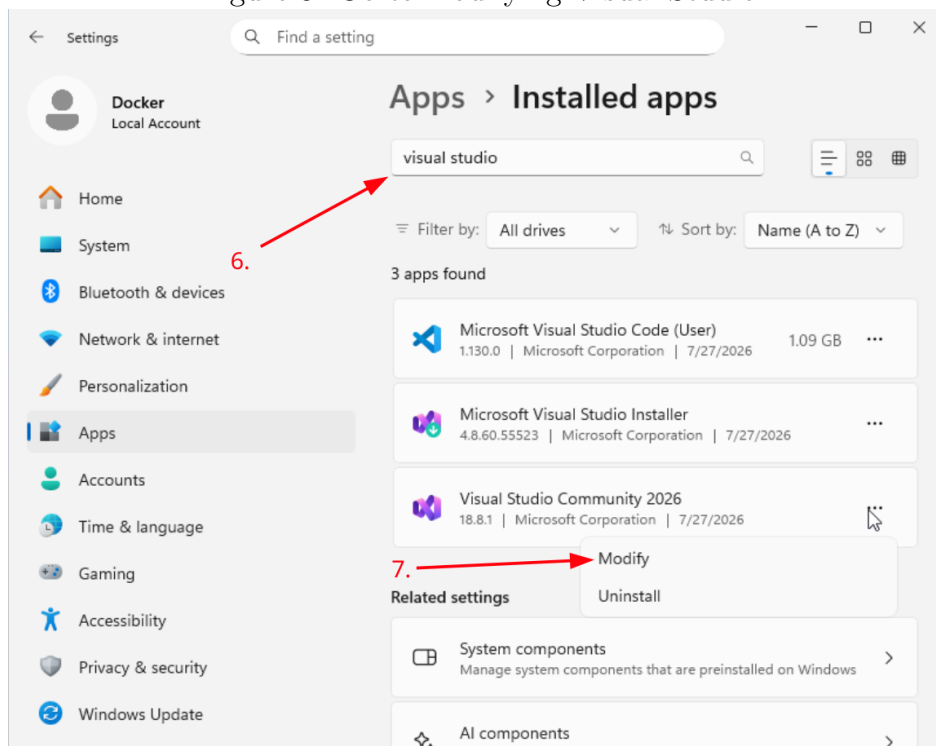
In the Settings window, click on “Apps” and then “Installed apps” as showed in Figure 2:

Figure 2: Go to installed apps



In the search bar of Installed apps, type “Visual Studio”, click on the three dots ... at the right of “Visual Studio Community 2026” and click on “Modify” as showed in Figure 3:

Figure 3: Go to modifying Visual Studio



In the new window, click on “Individual components” and then, in the search bar type “clang”; check the box next to “C++ Clang compiler for Windows” as showed in Figure 4. Then in the search bar, type “cmake”; check the box next to “C++ CMake tools for Linux and Mac”.

Click ”Modify” in the bottom right corner.

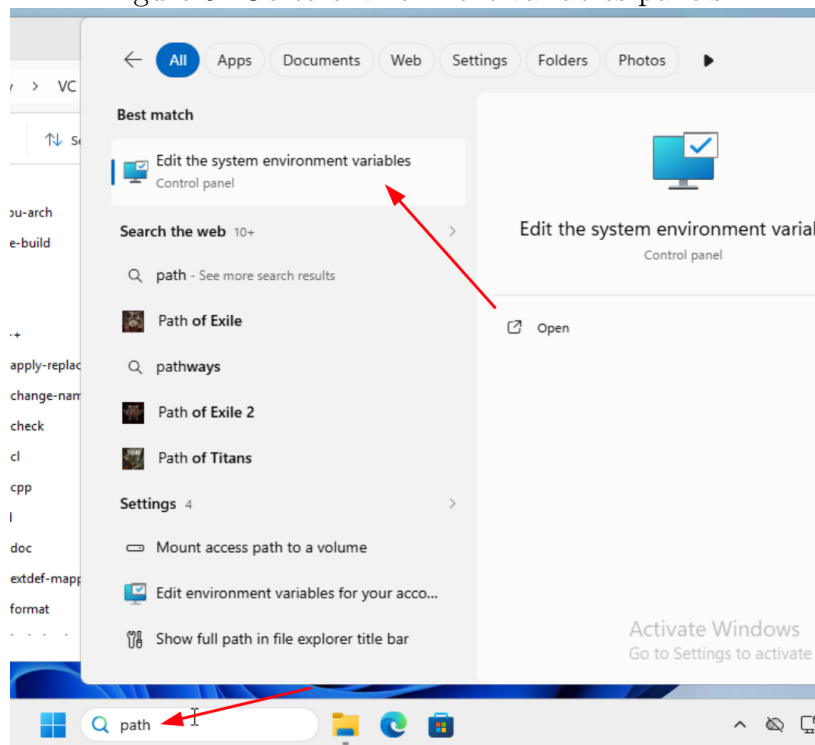
Figure 4: Install CLang and CMake



2 Setting up for use

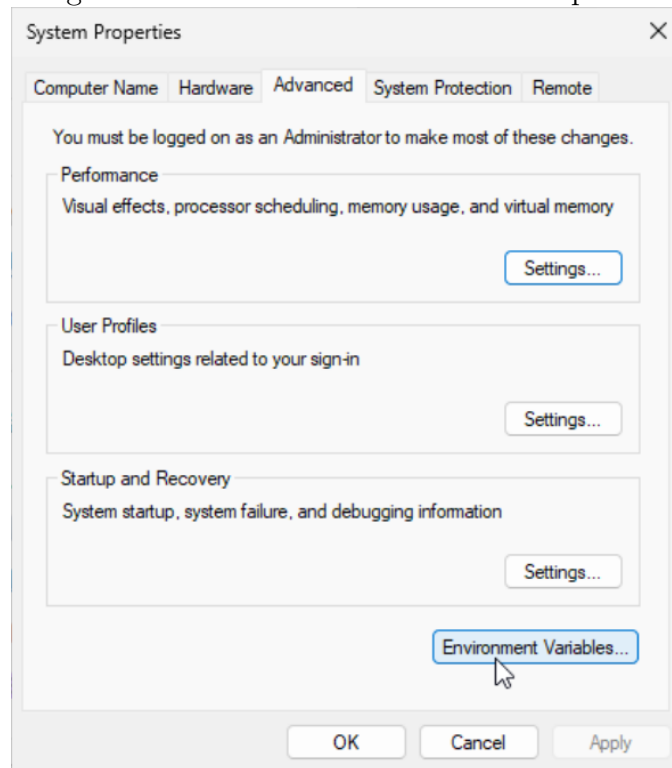
In the windows search bar, type “path” and click on “Edit the system environment variables” as presented in Figure 5.

Figure 5: Go to environment variables panels



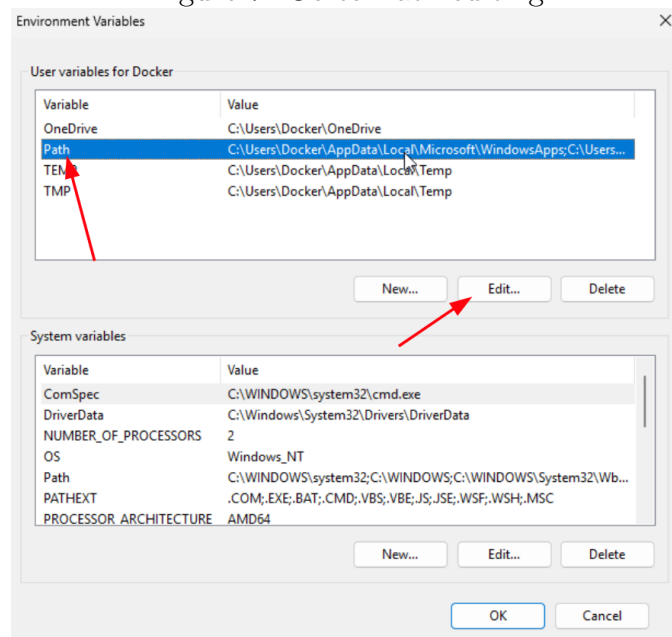
In the new window, click on “Environment variables” as presented in Figure 6.

Figure 6: Go to environment variables panels



In the new window, click on “Path” then on “Edit...” as showed in Figure 7.

Figure 7: Go to Path editing

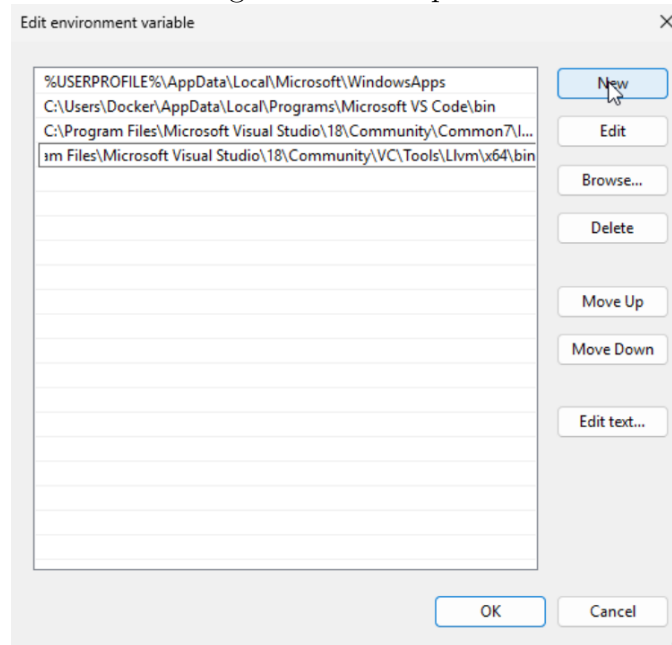


In the new window, click on “New” as demonstrated on Figure 8 and paste the following path:
C:\Program Files\Microsoft Visual Studio\18\Community\VC\Tools\Llvm\x64\bin

Repeat that action for the path:

C:\Program Files\Microsoft Visual Studio\18\Community\Common7\IDE\CommonExtensions\Microsoft\CMake\CMake\bin

Figure 8: Add a path



3 Verification step

Open a terminal / powershell. Type: `cmake.exe --version` and tap enter. If you get an output similar to:

```
cmake version 4.3.1-msvc1
```

it means cmake is installed.

Similarly, type: `clang++.exe --version` and tap enter. If you get an output similar to:

```
clang version 22.1.3
```

it means clang is installed.

If you get outputs like:

```
clang.exe: The term 'clang.exe' is not recognized as the name of cmdlet
, function, script file or operable program.
... etc...
```

Something went wrong in the installation.